

Title (en)

Multiple layer sound damping building element.

Title (de)

Mehrschichtiges schalldämmendes und -dämpfendes Bauteil.

Title (fr)

Élément de construction à plusieurs couches pour l'atténuation du son.

Publication

EP 0640951 A3 19950906 (DE)

Application

EP 94112211 A 19940804

Priority

DE 9312734 U 19930825

Abstract (en)

[origin: EP0640951A2] In the case of a multiple-layer building element, which acts in a sound-damping manner, a soft porous layer which is joined on one side to an essentially rigid carrier layer or is arranged on one such and is covered on the other side with a thin covering layer, consists essentially of foam material; it has a system of chambers (4) which are designed and arranged such that sound waves can enter into the chamber through entry openings (5) to the chambers through the thin covering layer (3) covering the entry openings, and the chamber walls, as a result of resonance, significantly reduce the sound wave energy in conjunction with the sound-absorbing effect of the soft porous layer (2). <IMAGE>

IPC 1-7

G10K 11/16

IPC 8 full level

B60R 13/08 (2006.01); **B32B 3/30** (2006.01); **B32B 5/18** (2006.01); **E04B 1/82** (2006.01); **G10K 11/16** (2006.01); **G10K 11/172** (2006.01)

CPC (source: EP US)

B32B 3/30 (2013.01 - US); **B32B 5/18** (2013.01 - EP US); **B32B 7/14** (2013.01 - US); **B32B 27/065** (2013.01 - US); **G10K 11/172** (2013.01 - EP); **B32B 2262/101** (2013.01 - US); **B32B 2305/08** (2013.01 - US); **B32B 2307/102** (2013.01 - US); **B32B 2307/56** (2013.01 - US)

Citation (search report)

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